

Work Order ID 163318

Tuesday, June 27, 2017 12:06:26 PM

163318

Page 1

Item ID: D2646BL Accept ***N900040100*** Setup Start ***NS1***
 Revision ID: Stop ***NS2***
 Item Name: Aft Cap
 Start Date: 7/3/2017 Start Qty: 8.00 ***8*** Cust Item ID:
 Required Date: 7/6/2017 Req'd Qty: 8.00 ***8*** Customer:
 Reference:

Approvals: Process Plan: DAS Date: JUL 03 2017 Tooling: Date: Run Start ***NR1***
 QC: 9-89 Date: SPC (Y/N): Date: Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
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Draw Nbr	Revision Nbr
D2646	Rev C

100	PURCHASING	0.00							<u>DAS</u> <u>13</u> <u>9-89</u>
100									
Purchasing	Memo	0.00							
Purchasing	Issue P/O: <u>36848</u> 1-Spin as per Dwg D2646 2-Material release note required								
	Vendor: Sieg's Manufacturing								

110	Receive & Inspect for Damage & Mat'l Certs	0.00							
110									
Packaging	Memo	0.16							
Packaging	Ensure Material Release Note is attached								

120	QC6- All purchased or subcontracted products	0.00							
120									
QC	Memo	0.00							
Quality Control									

DAS
38
9-89
JUL 18 2017

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS <table style="width:100%; border: none;"> <tr> <td style="border: none;">Skid-tube ☐</td> <td style="border: none;">Cross tube ☐</td> <td style="border: none;">Water Jet ☐</td> <td style="border: none;">Engineering ☐</td> </tr> <tr> <td style="border: none;">Machining ☐</td> <td style="border: none;">Small Fab ☐</td> <td style="border: none;">Prod. Eng. Coord. ☐</td> <td style="border: none;">Quality ☐</td> </tr> <tr> <td style="border: none;">Thermoforming ☐</td> <td style="border: none;">Finishing ☐</td> <td style="border: none;">Rec/Store/Packaging ☐</td> <td style="border: none;">Other ☐</td> </tr> <tr> <td style="border: none;">Large Fab ☐</td> <td style="border: none;">Composite ☐</td> <td style="border: none;">Supplier ☐</td> <td></td> </tr> </table>						Skid-tube ☐	Cross tube ☐	Water Jet ☐	Engineering ☐	Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐	Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐	Large Fab ☐	Composite ☐	Supplier ☐	
Skid-tube ☐	Cross tube ☐	Water Jet ☐	Engineering ☐																						
Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐																						
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Date :		Step #:		QTY Effective :			MRB (QSI042) Approval																		
Description Work Order Deviation				Disposition				Completed By																	
								Lead hand / Supervisor Approval Verification																	
								QC / QA Coordinator Approval																	
Root Cause		FAULT CATEGORY																							
Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐	No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐	Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐				Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐				Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Mislabeled ☐ Fit/Function ☐ Misaligned/off center ☐				Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐											
OTHER : _____																									

Tuesday, June 27, 2017 12:06:26 PM

163318

Page 2

Accept

N900040100

Setup Start *NS1*

Stop *NS2*

Item Name: Aft Cap

Start Date: 7/3/2017 **Start Qty:** 8.00 ***8***

Cust Item ID:

Required Date: 7/6/2017 **Req'd Qty:** 8.00 ***g***

Customer:

Reference:

Approvals: **Process Plan:** _____ **Date:** _____ **Tooling:** _____ **Date:** _____

Run Start *NR1*

QC: _____ Date: _____ SPC (Y/N): _____ Date: _____

Stop *NR2*

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
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130

0.00

130

Small Fab

0.40

Small Fab

Memo

1-Drill using DT8026 as per Dwg D2646.2-Open holes to .297 as per Dwg D2646.3-Deburr

Small Fab

DAC
19
8-89

MLL
17-7-18

140

QC5- Inspect part completeness to step on W/O

0.00

140

QC

Memo

0.16

Quality Control

UAS
38

JUL 18 2017

150

Chemical Conversion Coat per QSI005 4.1

0.00

150

HandFinish

Memo

0.16

Hand Finishing

2017/02/20
BET

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date : _____		Step #: _____		QTY Effective : _____			MRB (QS1042) Approval Completed By Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval		
Description Work Order Deviation				Disposition					
Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐		FAULT CATEGORY Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Mislabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐							
		OTHER : ☐							

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Page 3

Tuesday, June 27, 2017 12:06:26 PM

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 Item Name: Aft Cap
 Start Date: 7/3/2017 Start Qty: 8.00 ***8*** Cust Item ID:
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Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____ Run Start ***NR1***
 QC: _____ Date: _____ SPC (Y/N): _____ Date: _____ Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
160		0.00			a				
160						8			160B 2017/07/25
SprayPaint	Memo	0.00							
Spray Painting	SPRAY PAINT BLUE BATCH: PO 37210								
165									
170	QC14- Inspect Spray Paint	0.00							
170						8			DAS 38
QC	Memo	0.08							JUL 27 2017
Quality Control									
180		0.00							
180	Small Fab					18	4	11	17/07/31
Small Fab	Memo	0.11							
Small Fab	Install inserts as per Dwg D2646								

receiving 8x SP17-7-27

DQA: _____ Date: _____

**WORK ORDER NON-CONFORMANCE / UPDATE**

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐							
Date :		Step #:		QTY Effective :				MRB (QSI042) Approval			
Description Work Order Deviation				Disposition				Completed By Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval			
Root Cause				FAULT CATEGORY							
Environment ☐	☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐					
Design ☐	☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐					
Doc/Data ☐	☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐					
Equip/Tooling ☐	☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐					
Handling/Pre ☐	☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐					
Material ☐	☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐					
Internal Transport ☐	☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐					
Tribal Knowledge ☐	☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐					
LOA ☐	☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐					
Substation ☐	☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐					
Past Expiry Date ☐	☐	Manufacturing Process ☐	OTHER :								
Misidentified ☐	☐	Past Due ☐									

Work Order ID 163318

Tuesday, June 27, 2017 12:06:26 PM

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Page 4

Item ID: D2646BL Accept ***N900040100*** Setup Start ***NS1***

Revision ID: Item Name: Aft Cap Stop ***NS2***

Start Date: 7/3/2017 Start Qty: 8.00 ***8*** Cust Item ID:

Required Date: 7/6/2017 Req'd Qty: 8.00 ***8*** Customer:

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Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____ Run Start ***NR1***
QC: _____ Date: _____ SPC (Y/N): _____ Date: _____ Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
190 *190* QC Quality Control	<i>X</i> QC5- Inspect part completeness to step on W/O Memo	0.00 0.16				8	0	17-07-31	<i>NS</i>
200 *200* Packaging Packaging	Identify as per dwg & Stock Location: <u>FP-001</u> Memo LOCATION : FP001	0.00 0.08				18	0	17-07-31	<i>NS</i>
210 *210* QC Quality Control	QC21- Final Inspection - Work Order Release Memo	0.00 0.80						17/8/2	<i>NS</i>

(Signature)

JUL 31 2017

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

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Skid-tube ☐	Cross tube ☐	Water Jet ☐	Engineering ☐																						
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Root Cause		FAULT CATEGORY																							
Environment ☐		No Re-verification ☐		Pressure/Forced ☐		Temperature/Cure ☐		Power Loss/Surge ☐	Positioned Wrong ☐																
Design ☐		Operator ☐		Bending ☐		Set-up ☐		Folio/Program ☐	Outside Dimensions ☐																
Doc/Data ☐		Offset/Setup ☐		Centre Not Concentric ☐		BOM/Route ☐		Grain ☐	Over/Under tolerance ☐																
Equip/Tooling ☐		Supplier ☐		Cracks ☐		Broken/Damage/Defect ☐		Weld ☐	Part Incorrect ☐																
Handling/Pre ☐		Training ☐		Crimp/Kink/Ripple/Wave ☐		Inspection Incomplete/Unqualified ☐		Wrong Stock Pulled ☐	Part Lost/Missing ☐																
Material ☐		Use for Testing ☐		Cuffs ☐		Contamination ☐		Out of Sequence ☐	Part Moved ☐																
Internal Transport ☐		Poor Information ☐		Crushing ☐		Countersink ☐		Off-set ☐	Drawing ☐																
Tribal Knowledge ☐		Rushing ☐		Heat Treat ☐		Cut Too Short ☐		Mislabeled ☐	Finish ☐																
LOA ☐		Product Improvement ☐		Wave/Twist in Tube ☐		Instructions Incomplete/Unclear ☐		Fit/Function ☐	Misread ☐																
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Past Expiry Date ☐		Manufacturing Process ☐		OTHER : ☐																					
Misidentified ☐		Past Due ☐																							

Picklist Print

Tuesday, June 27, 2017 12:06:24 PM

Page 1

Work Order ID: 163318

163318

Parent Item: D2646BL

D2646BL

Parent Item Name: Aft Cap

Start Date: 7/3/2017

Required Date: 7/6/2017

Start Qty: 8.00

Required Qty: 8.00

Comments:

IPP: G05.08.22Hole size revised in Step 5KJ/JLM

IPP Rev:H Changed Inserts 07-02-19 JLM

IPP rev I changed inserts 07.06.11 EC

IPP REV:J

15.10.09 ADDED BL DD VERF:JLM

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
ALS7-1032-130	AELS8-1032-130	Purchased	No			110	Each	2,069.000	2	16			
AI S7-1032-130 Rivnut A654-1032-130										**		all 12/17/31	
				<u>Location</u>		<u>Loc Qty</u>		<u>Loc Code</u>					
				FG		100							
					M128649	50							
					M136048	50							
				FP001		1959							
					M128649	155							
					<u>M136579</u>	1804							
				ST556		10							
					M136048	10							
D2646P		Purchased	No			180	Each	0.0000	1	8			
D2646P Aft Cap										**		8x SP 17-7-18	

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

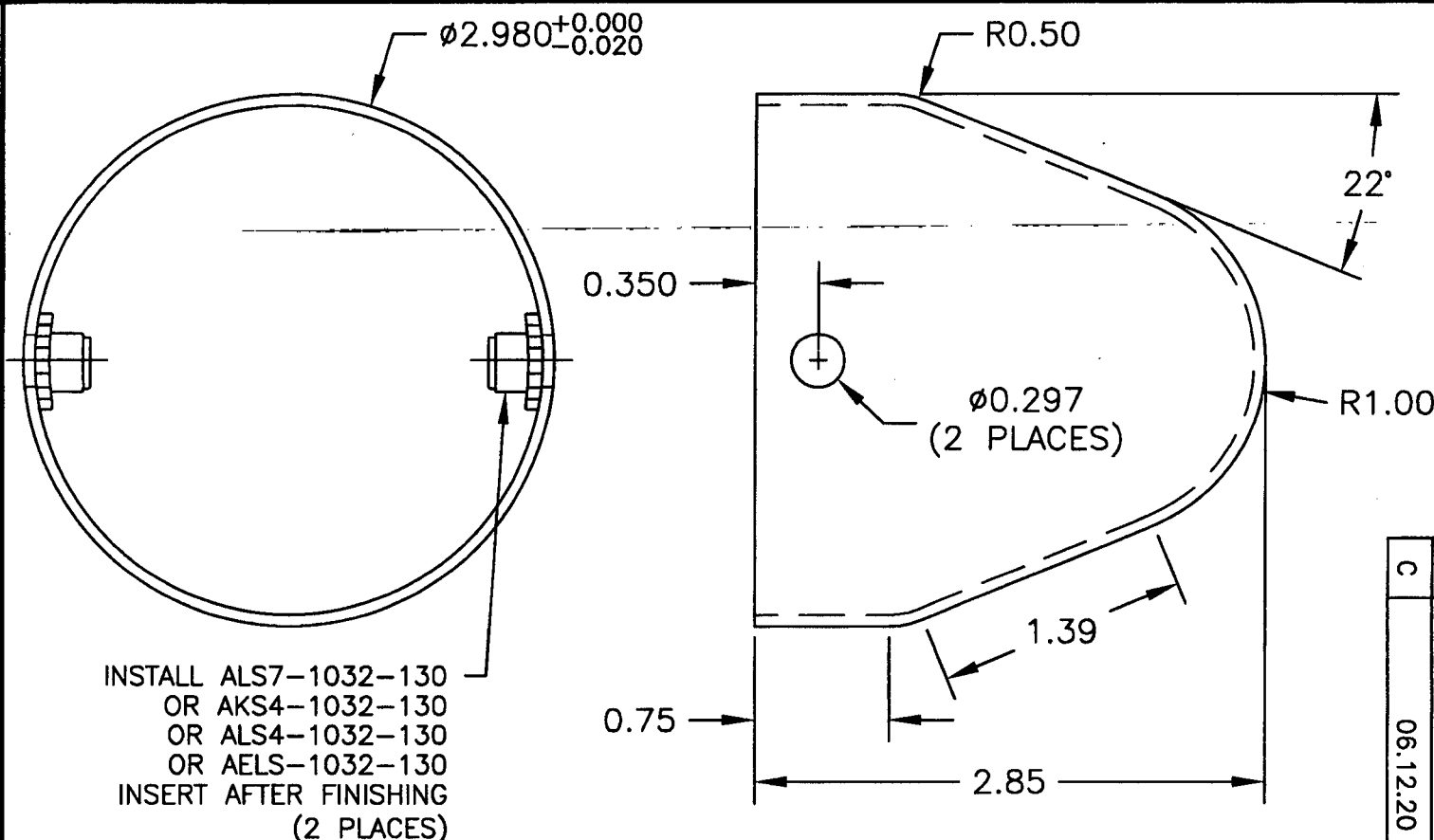
QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :				MRB (QSI042) Approval	
Description Work Order Deviation				Disposition				Completed By	
								Lead hand / Supervisor Approval Verification	
								QC / QA Coordinator Approval	
Root Cause		FAULT CATEGORY							
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐				
Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐				
Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐				
Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐				
Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐				
Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐				
Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐				
Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐				
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Past Expiry Date ☐	Manufacturing Process ☐	OTHER :							
Misidentified ☐	Past Due ☐								



DESIGN	DS	DRAWN BY	PH	DART AEROSPACE USA, INC.
CHECKED	PH	APPROVED	PH	PORT HADLOCK, WA
DATE	06.12.20	TITLE	D2646	REV. C
		AFT CAP		SHEET 1 OF 1
A	97.03.25	NEW ISSUE		SCALE 1:1
B	05.04.01	CHANGE TO CLOSED INSERTS		
C	06.12.20	CHANGE TO OPEN ENDED INSERTS		



D2646 AFT CAP

- 1) MATERIAL: ALUMINUM 1100-0 0.063 THICK (QQ-A-250/1)
- 2) FINISH: CHEMICAL CONVERSION COAT PER DART QSI 005 4.1
POWDER COAT ASSEMBLY WHITE (4.3.5.1) PER DART QSI 005 4.3
- 3) ALL DIMENSIONS ARE IN INCHES
- 4) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED

SHOP COPY
RETURN TO
ENGINEERING
UNCONTROLLED COPY
SUBJECT TO AMENDMENT
WITHOUT NOTICE
WORK ORDER

163318 MLJ
170703

RELEASED
07.02.12



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID **PO36848**

Purchase Order Date 6/28/2017 7:33:53 AM

PO Print Date 7/3/2017

Page Number 1 of 2

Order From :

VC-SIE001

Ship To : DART AEROSPACE LTD

SIEG'S MANUFACTURING LTD.
6236 - 205 STREET
LANGLEY, BC V2Y 1N7
CA

1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

REVISED

Contact Name

Vendor Phone 604 530 7455

Ship To Contact

Ship To Phone

Ship Via: FedEx Overnight collect

Ship Acct:

Buyer

Chantal Lavoie

Customer POID

Customer Tax #

10127-2607

Terms

Net 30

Currency

CAD

FOB

FCA - (Free Carrier)

Line Nbr	Reference Vendor Part Number Line Comments Delivery Comments	Description/ Mfg ID	Req Date/ Taxable Promise Date	CD	Req Qty/ Unit of Measure	PO Unit Price	Extended Price
1	D2646P AS PER DWG D2646 REV. C B163254 x 42 paint white B163318 X 8 paint blue	Aft Cap	7/24/2017 Yes 7/24/2017		50.00 Each	\$6.70	\$335.00
Line Total:							DAS 38 9-89 \$335.00
3	71401-45 Procurement Quality Clauses A005 right of entry A012 chemical and physical test report A016 personnel qualification A017 raw material identification (as applicable) A026 certification of material conformance A041 quality management system A042 dart notification by supplier A043 retention of quality documents	PROCUREMENT QUALITY CLAUSES	7/24/2017 No 7/24/2017		1.00	\$0.00	\$0.00

Note:

7/3/2017



Sieg's Manufacturing Ltd.

Quality Metal Spinning

Website: www.siegsmf.com

6236 205 Street Langley, British Columbia, Canada V2Y 1N7

Phone: (604) 530-7455 ~Email: accounts@siegsmf.com

Packing Slip

Packing Slip No.:

48293

Date:

07/14/2017

Page:

1

Sold to:

DART AEROSPACE LTD.

1270 ABERDEEN STREET

HAWKESBURY, ONTARIO K6A 1K7

Ship to:

DART AEROSPACE LTD.

1270 ABERDEEN STREET

HAWKESBURY, ONTARIO K6A 1K7

Order No.: 36848

Sold By: LOWEY, ARLA

Shipped By:

Ship Date: 07/14/2017

Tracking No.:

Item No.	Unit	Description	Quantity	Backorder quantity
D2646P ✓	Each	Aft Cap ✓	50 ✓	
SP 7-18 8x BL.				

Comment:

DAS
38
9-8-



Sieg's Manufacturing Ltd.
Quality Metal Spinning

6236 205 Street Langley, B.C. Canada V2Y 1N7
Ph#: (604)530-7455 arlalowey@siegs mfg.com

INSPECTION REPORT

Date: July 14 2017

Customer: Dart Areospace

Packing Slip: 48294

Part#:	Quantity	Material	Check holes	Insp. By.
D2646 /	50 /	14g 1100	N/a	AL

Notes:

Material Certification Attached: ____YES____

thyssenkrupp Materials NA
Copper and Brass Sales



thyssenkrupp

DELIVERY NOTE

ThyssenKrupp Materials NA, 19834 95th Avenue, Surrey, BC V4N 4P2



SIEGS MANUFACTURING LTD.
6236 205 ST
LANGLEY BC V2Y 1N7

DATE: 02/17/2017
DOC. NO: 2405026975*
BOL. NO: 2405026975
ORDER NO: 1403096944
YOUR P/O: 2083
CUSTOMER NO: 10007550
Route: 308UM
CONTACT: Timothy Skidmore
TEL: 800-926-2600
FAX: 888-926-2600
EMAIL: timothy.skidmore@thyssenkrupp.com

PST-1001-1682 OLD PST# R292133

Deliveries are carried out for your account and risk acc. to our Gen. Terms & Cond. of Delivery and Payment.

ITEM	DESCRIPTION	NET QTY1 / QTY2	PACKAGE NO.
0010	ALFLR01243 1100 Aluminum O Sheet 0.06300 (+ -.0035) X Width 48.0000 (+ -.125) X Length 144 (+ -.125) Nominal Chemistry/Act Physical Standard Packaging	100 PC 4,267.469 lb	1007149777 1007149792
TAGNUM	QTYUOM	VEND	VENDPO HLOT PCS
1006859635	74PC	SKANA	ALU 5400320485 11U808 74
ROHS COMPLIANT;ASTM B209 2014			
1006859638	26PC	SKANA	ALU 5400320485 11U808 26
ROHS COMPLIANT;ASTM B209 2014			

Total Gross Weight

4567.469 lb

All items, not declared as partial delivery, are final quantities.

Delivery Terms: PPD gem. Incoterms 2000 Prepaid

CERTIFICATION OF COMPLIANCE

We hereby certify that mercury or any of its compounds are not used in the processing and distribution of our products. The products we distribute are not hazardous in their received state.

For MSDS sheets go to www.copperandbrass.com. We hereby certify that the material above complies with the above specifications

Tomas Sanchez - Director of Quality Assurance



Skana Aluminum Co
Rolling Mill - Certified Metal
Certification of Properties and Analysis

Physical test: 11U808 Aluminum Alloy: 1100 Temper: -O- Thickness: .0630
Tested For: Copper and Brass Sales 6156 PO No: 5400320485-R01

Chemical	Si	Fe	Cu	Mn	Mg	Cr	Ni	Zn	Ti	Others	Al
Min Range			0.05					0.1		0.05	
Max Range	.95 Si	+ Fe	0.20	0.05							

Master Coil #	1	2	3	4
Tensile Strength KSI	14.40	13.76	14.64	13.94
Yield Strength KSI	5.18	5.16	5.20	5.03
% Elong. in 2 in.	32.00	33.00	32.20	32.90

Master Coil #				
Tensile Strength KSI				
Yield Strength KSI				
% Elong. in 2 in.				

Master Coil #				
Tensile Strength KSI				
Yield Strength KSI				
% Elong. in 2 in.				

Master Coil #				
Tensile Strength KSI				
Yield Strength KSI				
% Elong. in 2 in.				

Remarks: Tested By: JD

Certified Date: 04 Nov 2016

Certified By
Lab Manager

Donna Compton

JD .063 X 48.000 MF 4/4

ITEM # ALFLR01243

MEETS/EXCEEDS ASTM B209-14 SPECS.

BLANKS: COILS TO PRESSROOM

Friday, November 04, 2016

Melted/Manufactured in USA

QF 824-1-1

Page 1 of 1

From: TK Materials CA, Ltd.

Cust. SIEGS MANUFACTURING LTD.

CstAr

Wgt.: 4,267.469 LB

Del.: 2405026975

CstOr 2083

Date 02/07/2017

Tomas Sanchez

Skana Aluminum Company

Rolling Mill - Certified Metal

Certification of Properties and Analysis

Physical test: 11U808 Aluminum Alloy: 1100 Temper: -O- Thickness: .0630
 Tested For: Copper and Brass Sales 6156 PO No: 5400320485-R01

Chemical:	Si	Fe	Cu	Mn	Mg	Cr	Ni	Zn	Ti	Others	Al
Min Range:	..	..	0.05	..	..	..	..	..	..	0.05	..
Max Range:	.95 Si	+ Fe	0.20	0.05	..	..	..	0.1	..	..	..

1	14.40	5.18	32.00	Si	Fe	Cu	Mn	Mg	Cr	Ni	Zn	Ti	Others
				.15	.39	.10	.01	.01	.00	.01	.01	.01	.00
				Al									
				99.20									
2	13.76	5.16	33.00	Si	Fe	Cu	Mn	Mg	Cr	Ni	Zn	Ti	Others
				.15	.39	.10	.01	.01	.00	.01	.01	.01	.00
				Al									
				99.20									
3	14.64	5.20	32.20	Si	Fe	Cu	Mn	Mg	Cr	Ni	Zn	Ti	Others
				.15	.39	.10	.01	.01	.00	.01	.01	.01	.00
				Al									
				99.20									
4	13.94	5.03	32.90	Si	Fe	Cu	Mn	Mg	Cr	Ni	Zn	Ti	Others
				.15	.39	.10	.01	.01	.00	.01	.01	.01	.00
				Al									
				99.20									

Remarks: Tested By: JD Certified Date: 04 Nov 2016 Certified By: Donna Compton
 JD .063 X 48.000 MF 4/4
 ITEM # ALFLR01243
 MEETS/EXCEEDS ASTM B209-14 SPECS.
 BLANKS: COILS TO PRESSROOM

Friday, November 04, 2016 Melted/Manufactured in USA QF 824-1-2

From: TK Materials CA, Ltd.
 Cust. SEEGS MANUFACTURING LTD. Del.: 2405026975
 CstAr CstOr 2083
 Wgt.: 4,267.469 LB Date 02/07/2017

Donna Compton

ThyssenKrupp Materials NA
Copper and Brass Sales Division
19044 95A Avenue
SURREY BC V4N 4P2
Tel.: +16048823493 Fax: +16048820686



Order number	Ord-pos	Del-pos	Part description
Customer PO	PO date	Quantity	Customer Part
MTR header	MTR type	Search criteria	Heat lot
			Sample number
C8A/1403096944	000010	900001	1100 Aluminum O Sheet 0.06300 (+-.0035)
2083	01/30/2017	74 ST	
Att_001.PDF	NCAP	930393817720160002	11U808
C8A/1403096944	000010	900002	1100 Aluminum O Sheet 0.06300 (+-.0035)
2083	01/30/2017	26 ST	
Att_001.PDF	NCAP	930393817720160003	11U808

Delivery number
2405026975
Date
02/06/2017

SIEGS MANUFACTURING LTD.
6236 205 ST
LANGLEY V2Y 1N7
CANADA



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID PO37210

Purchase Order Date 7/25/2017

PO Print Date 7/25/2017

Page Number 4 of 5

Order From :

VC-ATE001

Ship To : DART AEROSPACE LTD

ATELIER DEBOSSSELAGE
358 PRINCIPALE
CALUMET, QC J0V 1B0
CA

1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Contact Name

Vendor Phone

819 242 5633

Ship To Contact

Ship To Phone

Ship Via:

Ship Acct:

Buyer

Diane Baker

Customer POID

Customer Tax #

10127-2607

Terms

Net 30

Currency

CAD

FOB

Destination-Collect

Line Total: \$225.00

10 162244

D206-642-341BL
Replacement Skidtube

7/28/2017

1.00

\$225.00

\$225.00

Yes

7/28/2017

Spray Paint Delfleet Blue

Line Total: \$225.00

11 162245

D206-642-341BL
Replacement Skidtube

7/28/2017

1.00

\$225.00

\$225.00

Yes

7/28/2017

Spray Paint Delfleet Blue

Line Total: \$225.00

12 163318

D2646BL Aft Cap

7/28/2017

8.00

\$18.00

\$144.00

Yes

7/28/2017

Spray Paint Delfleet Blue

DAS
38
9-89

Note:

7/25/2017